

### **ABSTRACT**

A video system includes a sensitive-information generator to generate a definition of sensitive information parts (SIP) areas. The video system also includes a transcoder to transcode the SIP areas at a higher bit rate than non-SIP areas in the frames based on bandwidth available for transmitting the transcoded frames. The SIP areas are generated statically or dynamically. The video system adapts to various network conditions and utilizes the bandwidth efficiently to deliver the sensitive information of high quality and to enhance the user experience.